

**Pennsylvanians for Safe Technology
111 Meadowlark Road
Reading, PA 19606**

To Marlene Dortch
Office of the Secretary
445 12th St., SW
Washington DC 20554

EX PARTE

Pennsylvanians for Safe Technology

Accelerating Wireless Broadband Deployment by Removing Barriers to Infrastructure Investment;

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D 17-79, D 17-84

Dear Ms. Dortch:

Nothing in this life is more important than one's health. Two hundred forty-four scientists representing a broad range of academic institutions in 41 countries signed an international appeal to the UN to protect human health from electromagnetic radiation. These scientists are experts who have published in peer reviewed journals on the science of electromagnetic fields. This represents a call to earnestly and sincerely reconsider the health consequences associated with the deployment of wireless broadband, an increasing source of electromagnetic radiation.

The American Academy of Pediatrics has also called for parents to reduce their children's exposure to wireless radiation. The deployment of 5th Generation small wireless facilities in children's front yards will exponentially increase their exposure to wireless radiation, against the advice of the American Academy of Pediatrics. It is not time to remove barriers to this technology, it is time to put them up and protect human health. Today, more than half of American children and adults have at least one chronic illness, and many have two or more. The incidence of chronic disease in American children has never been higher. Adding 5G wireless in close proximity to homes, schools and businesses will make an already bad situation worse. Some facts from the Children's Health Defense:

- In 2011 54% of children had at least one of 20 chronic health conditions;
- Life expectancy is decreasing and infant mortality is rising. U.S. children are 76% more likely to die before their first birthday than infants in other wealthy countries;
- A study conducted from 2001-2004 found that half of U.S. youth (ages 13-18) had been diagnosed with at least one mental, emotional, and/or behavioral disorder;
- Top military leaders report seven in ten young Americans aged 17-24 are unfit to serve in the U.S. military because of obesity, asthma, hearing and eyesight problems and mental illness.

This state of the health of our children is unacceptable. Fifth Generation Wireless (5G) is expected to cause eye, skin and testicular problems. This is in addition to the increased risk of creating cancer, brain and reproductive problems associated with the current technologies in place. We need to be protecting our nation's children, our future. We should not be increasing risk by adding stronger, higher frequency microwave radiation sources in close proximity of homes, schools and businesses.

We have an adult health crisis as well. Our hospitals are getting larger, our nation more chronically ill with both physical impairments and mental illnesses. It is time for a serious look at any possible causative factor. The government's own research has shown that wireless radiation, at much lower levels than is used in 5th Generation Wireless, causes cancer, reproductive harm, neurological harm and cardiac problems. We are a nation with many adults with disabilities, addictions, and people are committing suicide and other violent acts. **Health must be the national priority, not more wireless that will contribute to the increasingly sedentary lifestyles that people already have adopted.** Faster video streaming and the Internet of things will come at a heavy price to our nation's health and security.

The short time frame to discover and comment on this FCC ruling is unfair. It eliminates the public's, states' and local governments' ability to read, evaluate, react, and comment on the proposed rules. Most of the public is unaware of this pending proposal. The draft

order is also not posted on the FCC's home page, despite its deep impact on every community and resident in the United States.

It is critical that the FCC:

-- Postpone Commission action on these rules until at least November, and preferably postpone until January in the interest of transparency and public process. This is needed to allow adequate evaluation of this proposal and its impacts on the public, and on cities, counties, and states.

-- Open 60-90 day (minimum) public comment period on these rules, beginning immediately and for anyone regardless of standing

-- Post the draft order on the FCC home page where it can be easily found.

--Provide for a hearing on health with experts who are free of industry bias.

This ruling is very oppressive to citizens who have chronic health problems and especially those who are developing or have electrosensitivity. It appears to violate the ADA and constitutional rights. People who have electrosensitivity may have to move from their homes if a 5G small cell or other wireless device is installed outside of their home. This ruling does not provide anywhere for them to go as this technology is planned to be everywhere. There is no way to shield one's home from this level of radiation and is a very serious threat to their health. The EMF Scientist appeal must be heeded to protect these citizens.

This draft order and report remove many of the important processes of protection for citizens in their own communities. It places an unfair burden on the citizens and townships because it allows Telecom Companies to install wireless antennas anywhere with no consideration of or protection for human health. Health is not even a consideration and in fact, it is illegal to use health as an excuse. That is unacceptable today as so many are reporting the development of electrosensitivity. Expansion of 5G should be stopped immediately and the FCC Safety Guidelines for safety reviewed by independent experts free of industry bias. The guidelines were developed 22 years ago and are based on outdated science. There are over 10,000 studies showing biological effects at far lower levels of microwave radiation than 5G will utilize. It is irresponsible

for regulators to only consider thermal effects on health.

These infrastructure roll-outs are an unfunded mandate, putting costs on cities, counties, states, and local residents, reducing funding for local and state services, and reducing staff availability. These rules put the FCC in a position of regulating the public, state and local governments rather than the industry it is supposed to regulate. This places the health and even the lives of citizens at risk. They have flipped their mandate. Our national priority needs to flip back to the health of the people.

Respectfully,

Donna A DeSanto Ott

Donna DeSanto Ott, PT DPT MS FMCHC
Pennsylvanians for Safe Technology, Founder
111 Meadowlark Road
Reading, PA 19606